(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/2)	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
0099452-wsgs	ACTION	25) as well as, where applicable, lieff 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 00/09475	28/09/2000	04/10/1999
Applicant		
MEDOK DATENT OMBU . + . 1		
MERCK PATENT GMBH et al.		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	ority and is transmitted to the applicant
	2	
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.
Basis of the report		
	international search was carried out on the bas less otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of t	ne international application furnished to this
b. With regard to any nucleotide an was carried out on the basis of the		ternational application, the international search
X contained in the internation	onal application in written form.	:
	ernational application in computer readable form	n.
	o this Authority in written form. Of this Authority in computer readble form.	
the statement that the sul	bsequently furnished written sequence listing d	oes not go beyond the disclosure in the
 -	as filed has been furnished. Ormation recorded in computer readable form is	s identical to the written sequence listing has been
furnished	omiason recorded in computer readable form.	o lacinical to the whiten sequence listing has been
2. Certain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the title ,		
The text is approved as si	ubmitted by the applicant.	
the text has been established	shed by this Authority to read as follows:	
5. With regard to the abstract,		
· · · · · · · · · · · · · · · · · · ·	ubmitted by the applicant.	
	shed, according to Rule 38.2(b), by this Author e date of mailing of this international search re	
6. The figure of the drawings to be pub	olished with the abstract is Figure No.	
as suggested by the app	licant.	X None of the figures.
because the applicant fa		
because this figure bette	r characterizes the invention.	



A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/12 C12N15/62 C07K14/47

7K14/47 C07K16/18

C12Q1/68

· G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

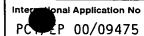
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, CAB Data, STRAND, BIOSIS, EPO-Internal

C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 00 78947 A (MERCK PATENT GMBH ;FISCHER VIOLA (DE); DEN DAAS IZAAK (DE); SEYFRI) 28 December 2000 (2000-12-28) SEQ ID No.1 and 2; claims 1-11	1,4,6-10
P,X	WO 00 29580 A (INCYTE PHARMA INC ;CORLEY NEIL C (US); GORGONE GINA A (US); GUEGLE) 25 May 2000 (2000-05-25) SEQ ID No.2; claims 1-20	1,4,6-9
	-/	
X Furt	her documents are listed in the continuation of box C. X Patent family member	s are listed in annex.

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 15 February 2001	Date of mailing of the international search report 21/02/2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Hornig, H

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		PC., EP 00/094/5
Category °,	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	paraget and paraget	nelevan te dami No.
X	MIYAMOTO H ET AL: "MOLECULAR CLONING OF A NOVEL MRNA SEQUENCE EXPRESSED IN CLEAVAGE STAGE MOUSE EMBRYOS" MOLECULAR REPRODUCTION AND DEVELOPMENT, US, NEW YORK, NY, vol. 34, no. 1, January 1993 (1993-01), pages 1-7, XP000892775 cited in the application figure 4	1,4,6-9
A	WO 99 00500 A (INCYTE PHARMA INC ;CORLEY NEIL C (US); BANDMAN OLGA (US); SHAH PUR) 7 January 1999 (1999-01-07) the whole document 	

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Infort

on patent family members

International Application No
PC P 00/09475

Patent document cited in search report		Publication date		atent family nember(s)	Publication date
WO 0078947	Α	28-12-2000	NONE		
WO 0029580	Α .	25-05-2000	US AU	6071721 A 1724300 A	06-06-2000 05-06-2000
WO 9900500	A	07-01-1999	US AU EP US	5804419 A 8269698 A 1002074 A 5929029 A	08-09-1998 19-01-1999 24-05-2000 27-07-1999